

	Symbol	Value	Unit V
Rev <mark>erse Voltage</mark>	V _R	75	
Pea <mark>k Reve</mark> rse Voltage	V _{RM}	100	V
Rectified Current (Average) Half Wave Rectification with Resist. Load at $T_{amb} = 25$ °C and $\ge f \ge 50$ Hz	I _O	150 ¹⁾	mA
Surge Forward Current at t < 1 s and $T_j = 25 \degree C$	I _{FSM}	500	mA
Power Dissipation at T _{amb} = 25 °C	P _{tot}	350 ¹⁾	mW
Junction Temperature	Tj	150	°C
Stor <mark>age Temperature</mark> Range	T _S	-65 to +150	°C



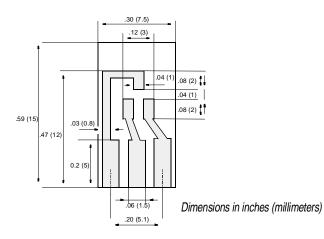


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ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

	Symbol	Min.	Тур.	Max.	Unit
Forward Voltage at $I_F = 5 \text{ mA}$ at $I_F = 100 \text{ mA}$	VF VF	0.62		0.72 1	V V
Leakage Current at $V_R = 70 V$ at $V_R = 70 V$, $T_j = 150 °C$ at $V_R = 25 V$, $T_j = 150 °C$	l _R l _R l _R			2.5 50 30	μΑ μΑ μΑ
Capacitance at $V_F = V_R = 0$	C _{tot}	-	-	4	pF
Reverse Recovery Time from I _F = 10 mA to I _R = 10 mA V_R = 6 V, R _L = 100 Ω	t _{rr}	_	-	4	ns
Thermal Resistance Junction to Ambient Air	R _{thJA}	-	_	450 ¹⁾	K/W

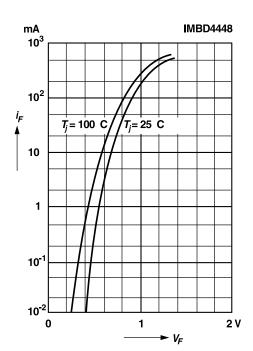


Layout for R_{thJA} test Thickness: Fiberglass 0.059 in (1.5 mm) Copper leads 0.012 in (0.3 mm)

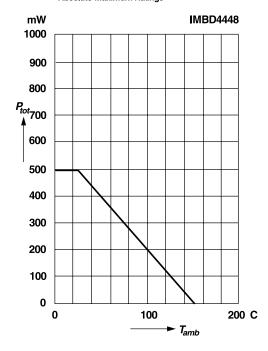


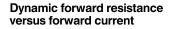
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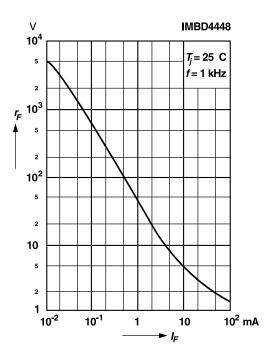
Forward characteristics



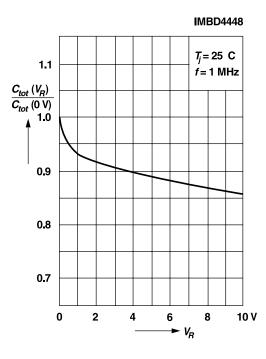
Admissible power dissipation versus ambient temperature For conditions, see footnote in table "Absolute Maximum Ratings"





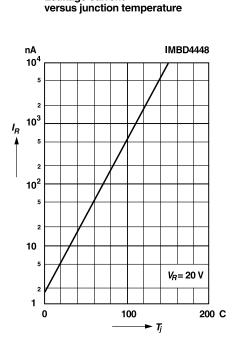


Relative capacitance versus reverse voltage



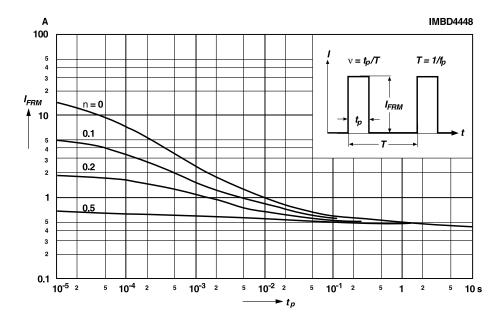
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Leakage current

Admissible repetitive peak forward current versus pulse duration For conditions, see footnote in table "Absolute Maximum Ratings"



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